

**Amendments to the Claims:**

Please kindly amend the claims as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-120 (canceled)

<sup>1</sup>  
~~121~~. (currently amended) A method of reducing or inhibiting angiogenesis in a tissue, comprising contacting  $\alpha 5 \beta 1$  integrin in the tissue with an  $\alpha 5 \beta 1$  antagonist that induces growth factor stimulated endothelial cell apoptosis and interferes with specific binding of the  $\alpha 5 \beta 1$  integrin to a ligand expressed in the tissue, thereby reducing or inhibiting angiogenesis in the tissue.

<sup>2</sup>  
~~122~~. (currently amended) A method of reducing or inhibiting angiogenesis in a tissue in an individual, comprising administering to the individual an  $\alpha 5 \beta 1$  antagonist that induces growth factor stimulated endothelial cell apoptosis and interferes with the specific binding of  $\alpha 5 \beta 1$  integrin to a ligand expressed in the tissue, thereby reducing or inhibiting angiogenesis in the tissue in the individual.

<sup>3</sup>  
~~123~~. (currently amended) A method of reducing the severity of a pathological condition associated with angiogenesis in an individual, comprising administering to the individual an  $\alpha 5 \beta 1$  antagonist that induces growth factor stimulated endothelial cell apoptosis and interferes with specific binding of  $\alpha 5 \beta 1$  integrin to a ligand in a tissue associated with the pathological condition, thereby reducing or inhibiting angiogenesis in the tissue, and reducing the severity of the pathological condition.

<sup>4</sup>  
~~124~~. (previously presented) The method of claim 121, wherein the ligand is fibronectin.

<sup>5</sup>  
~~125~~. (previously presented) The method of claim 121, wherein the tissue comprises ocular tissue.

- <sup>6</sup>  
~~126~~. (previously presented) The method of claim 125, wherein the ocular tissue is selected from the group consisting of retina, macula and cornea.
- <sup>7</sup>  
~~127~~. (previously presented) The method of claim 121, wherein the tissue comprises a neoplasm.
- <sup>8</sup>  
~~128~~. (previously presented) The method of claim 127, wherein the neoplasm is a malignant neoplasm.
- <sup>9</sup>  
~~129~~. (previously presented) The method of claim 128, wherein the malignant neoplasm is a metastatic malignant neoplasm.
- <sup>10</sup>  
~~130~~. (previously presented) The method of claim 128, wherein the malignant neoplasm is a carcinoma.
131. (previously presented) The method of claim 121, wherein the antagonist comprises a peptide.
132. (previously presented) The method of claim 131, wherein the peptide comprises the amino acid sequence CRRETAWAC (SEQ ID NO: 1).
- <sup>11</sup>  
~~133~~. (previously presented) The method of claim 121, wherein the antagonist is linked to a cytotoxin.
- <sup>12</sup>  
~~134~~. (previously presented) The method of claim 133, wherein the cytotoxin is a cancer chemotherapeutic drug.
- <sup>13</sup>  
~~135~~. (previously presented) The method of claim 122, wherein the individual is a human.
- <sup>14</sup>  
~~136~~. (previously presented) The method of claim 123, wherein the pathological condition is a neoplasm.
- <sup>15</sup>  
~~137~~. (previously presented) The method of claim 136, wherein the neoplasm is a malignant neoplasm.

<sup>16</sup>  
~~138~~. (previously presented) The method of claim 137, wherein the malignant neoplasm is a metastatic malignant neoplasm.

<sup>17</sup>  
~~139~~. (previously presented) The method of claim 137, wherein the malignant neoplasm is a carcinoma.

<sup>18</sup>  
~~140~~. (previously presented) The method of claim 139, wherein the carcinoma is selected from the group consisting of a breast carcinoma, a colon carcinoma, an ovarian carcinoma and a pancreatic carcinoma.

<sup>19</sup>  
~~141~~. (previously presented) The method of claim 137, wherein the malignant neoplasm is selected from the group consisting of a sarcoma, a mesothelioma, a teratocarcinoma, an astrocytoma, and a glioblastoma.

<sup>20</sup>  
~~142~~. (previously presented) The method of claim 123, wherein the individual is a human.

<sup>21</sup>  
~~143~~. (previously presented) The method of claim 123, wherein the antagonist is administered intravenously.

<sup>22</sup>  
~~144~~. (previously presented) The method of claim 123, wherein the antagonist is administered orally.

<sup>23</sup>  
~~145~~. (previously presented) The method of claim 136, wherein the antagonist is administered into a neoplasm.

<sup>24</sup>  
~~146~~. (previously presented) The method of claim 123, wherein the pathological condition is associated with the eye.

<sup>25</sup>  
~~147~~. (previously presented) The method of claim 146, wherein the pathological condition is selected from the group consisting of diabetic retinopathy and macular degeneration by neovascularization.

<sup>26</sup>  
~~148~~. (previously presented) The method of claim 146, wherein the antagonist is administered in the form of eye drops.

<sup>27</sup>  
~~149~~. (previously presented) The method of 146, wherein the antagonist is administered intravenously.

<sup>28</sup>  
~~150~~. (previously presented) The method of claim 146, wherein the antagonist is administered orally.

<sup>29</sup>  
~~151~~. (currently amended) The method of claim 123, wherein the antagonist is administered at a dose of ~~0:0001~~ 0.0001 to 100 mg/kg body weight.

Claims 152-157 (canceled)